

**In the Claims**

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Currently Amended) A method of disposing of insects and arthropods comprising providing a first chemical composition in a first container, a second chemical composition in a second container, and a valve in fluid communication with at least one of the first and second containers, adjusting the valve to react the first chemical composition with the second chemical composition reacting at least two chemical compositions to generate carbon dioxide over a time of at least about several hours at levels in excess of ambient levels of carbon dioxide in the atmosphere, sufficient to be detected by insects and arthropods, and trapping the insects and arthropods attracted by the carbon dioxide emission for disposition.
2. (Currently Amended) A method as set forth in claim 1 wherein levels of carbon dioxide  $[[\text{CO}_2]]$  are generated over a period of days from an initial charge of the chemical compositions.
3. (Currently Amended) A method as set forth in claim 2 wherein the first chemical composition ~~one substance~~ comprises a mixture ~~composition~~ including baking soda and the second chemical composition ~~other substance~~ includes water.
4. (Currently Amended) A method as set forth in claim 2 wherein the first chemical composition ~~one substance~~ comprises a solid mixture ~~composition~~ of sodium bicarbonate and at least one chemical selected from the group consisting of lactic acid, and/or urea and the second chemical composition ~~other substance~~ comprises water and/or a weak acid.
5. (Original) A method as set forth in claim 3 including the step of exterminating the arthropod when captured by the adhesive.
6. (Original) An insect/arthropod trap comprising means for attracting insects and arthropods having a composition for emitting carbon dioxide in excess of ambient levels of

carbon dioxide in the atmosphere over a period of at least several hours on interaction of the composition with an activating fluid, a container for the fluid, and a control for metering the flow of the fluid into contact with the composition, and a trap positioned adjacent the means containing the composition for trapping insects and arthropods.

7. (Currently Amended) An insect/arthropod trap comprising  
first and second containers for holding separate materials and an opening disposed  
between the first and second containers to selectively mix the materials together, wherein the  
materials are that when mixed together in one of the second container to containers, generate an  
insect/arthropod attracting gas,  
openings in the second container in which the gas is generated enabling the gas to escape  
therefrom,  
and a member associated with one of the containers and having a surface on which an adhesive is applied for capturing insects attracted by the gas that alight on said surface.

8. (Currently Amended) An insect/arthropod trap as described in claim 7 wherein  
one of the first container containers is for holding an activating fluid and the second container  
other is for holding chemicals when mixed with the activating fluid generate the insect attracting  
gas,

and means for controlling the flow rate of the activating fluid from the first [[one]]  
container to the second container other.

9. – 13. (Canceled)

14. (Original) An insect/arthropod trap comprising  
a base having a surface for receiving an adhesive for capturing arthropods,  
a container for holding a solid chemical for generating an arthropod attracting gaseous phase when mixed with a fluid,  
a second container disposed adjacent the first container for supplying fluid to the first container to generate the arthropod attracting gaseous phase,  
a hood having a surface for receiving an adhesive for capturing arthropods,

and a connector joining the two containers for conveying fluid from the second container to the first container when the arthropod attracting gaseous phase is to be generated.

15. (Original) An insect/arthropod trap as described in claim 14 wherein the hood is frusto conic in shape and the surface for adhesive is on the inner side of said hood.

16. (Original) An insect/arthropod trap as described in claim 14 wherein the hood has holes spaced from one of the containers, said one container having a surface consisting of fluorescent, UV reflective, or near-infrared reflective material such that, at a distance, two visible holes will be seen that may resemble the eyes of a mammal, with these holes permitting light to impinge on the one container and allow alternative arthropod entry.

17. (Original) An insect/arthropod trap as described in claim 15 having a skirt positioned below the hood with an adhesive surface to trap mosquitoes, ticks, chiggers and fleas.

18. (Canceled)

19. (Currently Amended) An insect/arthropod trap as set forth in claim 14 wherein the solid chemical includes having a quantity of baking soda and lactic acid and the a-source of liquid is selected from the group comprising water and a weak acid positioned to be delivered to the soda and lactic acid in incremental amounts over a time period.

20. (Currently Amended) An insect/arthropod trap as set forth in claim 14 wherein the solid chemical includes having a quantity of urea and the a-source of a liquid is selected from a group comprising water and a weak acid positioned to be delivered to the urea in incremental amounts for generation of ammonia.

21. (Currently Amended) An insect/arthropod trap as set forth in claim 19 having ~~means for trapping insects and~~ an attractant in the form of a colored member with the color of the member selected from the group comprising black, white, blue, red and green.

22. – 24. (Canceled)

25. (New) An insect/arthropod trap comprising  
a container with an adhesive at least partially extending about the outer surface of the  
container, wherein the adhesive is designed to trap insects and arthropods,  
a first compartment within the container for holding a first material,  
a second compartment within the container for holding a second material,  
a valve in fluid connection with at least one of the first and second compartment to  
control the release of at least one of the first material and the second material, wherein carbon  
dioxide is generated to attract insects and arthropods when the first material is mixed with the  
second material.

26. (New) An insect/arthropod trap as described in claim 25 wherein the first material  
includes a quantity of baking soda. and the second material includes a quantity of water.

27. (New) An insect/arthropod trap as described in claim 25 wherein at least a part of  
the container is substantially cylindrical shaped.

28. (New) An insect/arthropod trap as described in claim 25 wherein the container  
includes a hood having a frusto conic shape.